

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) An electrode composition comprising:
an electrode material consisting essentially of at least one electrochemically inactive elemental metal and at least one electrochemically active elemental metal in the form of an amorphous mixture at ambient temperature that remains amorphous when said electrode composition is incorporated into a lithium battery and cycled through at least one full charge-discharge cycle at ambient temperature.
2. (Original) An electrode composition according to claim 1 wherein said electrode material consists essentially of at least one electrochemically inactive elemental metal and a plurality of electrochemically active elemental metals.
3. (Original) An electrode composition according to claim 1 wherein said electrode material consists essentially of plurality of electrochemically inactive elemental metals and at least one electrochemically active elemental metal.
4. (Currently amended) An electrode composition according to claim 1 wherein said electrochemically active elemental metal is selected from the group consisting of aluminum, silicon, tin, ~~atimony~~, antimony, lead, germanium, magnesium, zinc, cadmium, bismuth, and indium.
5. (Original) An electrode composition according to claim 1 wherein said electrochemically inactive elemental metal is selected from the group consisting of molybdenum, niobium, tungsten, tantalum, iron, nickel, manganese, and copper.
6. (Original) An electrode composition according to claim 1 wherein said electrochemically active elemental metal is aluminum.

7. (Original) An electrode composition according to claim 1 wherein said electrochemically active elemental metal is silicon.

8. (Original) An electrode composition according to claim 1 wherein said electrochemically active elemental metal is tin.

9. (Original) An electrode composition according to claim 1 where said electrochemically active elemental metals are aluminum and silicon.

10. (Original) An electrode composition according to claim 1 wherein said electrochemically active elemental metals are silicon and tin.

Claims 11-14 (Canceled)

15. (Original) An electrode composition according to claim 1 wherein said composition is in the form of a thin film.

16. (Original) An electrode composition according to claim 1 wherein said composition is in the form of a powder.

17. (Original) A lithium ion battery comprising:

(a) a first electrode comprising an electrode material consisting essentially of at least one electrochemically inactive elemental metal and at least one electrochemically active elemental metal in the form of an amorphous mixture at ambient temperature:

(b) a counterelectrode; and

(c) an electrolyte separating said electrode and said counterelectrode, wherein said electrode material remains amorphous after said battery has been cycled through at least one full charge-discharge cycle.